

S/N: TO BE ASSIGNED

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	HEIMAN	Serial No.:	TO BE ASSIGNED
Filed:	10 JANUARY 2002	Docket No.:	602.363USW1
Title:	SYSTEM AND METHOD FOR THE TRANSMISSION OF MESSAGE TRAFFIC		

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By: 

Name: Josh Helmin

PRELIMINARY AMENDMENT

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Please enter the following preliminary amendment into the above-referenced application.

ABSTRACT

Please insert the attached abstract into the application as the last page thereof.

CLAIMS

Please amend claims 1-10 as follows. A clean copy of the amended and new claims is included below. A marked up copy of the entire claim set is included in Appendix A.

1. (Amended) System for the transmission of message traffic in a packet-switched telecommunication system, said system comprising:

a network element, which comprises a cross-connection part and a control part, said cross-connection part comprising at least one unit computer, and said control part comprising at least one unit computer, and

means for the transmission of internal message traffic within the network element between the unit computers,

wherein the system further comprises:

at least one unit computer in the cross-connection part whose message traffic is transmitted by utilizing the universal cross-connections produced by the network element itself, said unit computer of the cross-connection part being disposed on a different plug-in unit than the nearest terminal point of the cross-connection it is using for message traffic.

2. (Amended) System as defined in claim 1, wherein the system further comprises:

at least one unit computer in the control part whose message traffic is transmitted by utilizing the universal cross-connections produced by the network element itself.

3. (Amended) System as defined in claim as defined in claim 1, wherein the telecommunication system has been implemented using ATM based components.

4. (Amended) System as defined in claim 3, wherein the control part further comprises:

a number of computer units, each one of which comprises a SAR-PHY circuit pair and a unit computer.

5. (Amended) System as defined in claim 3, wherein the cross-connection part further comprises:

a number of LIU units, each one of which comprises a unit computer, a SAR-PHY circuit pair, a PHY circuit and an ATM circuit.

6. (Amended) System as defined in claim 3, wherein the cross-connection part further comprises:

an ATM switching fabric, which comprises a unit computer, a SAR-PHY circuit pair and an ATM circuit.

7. (Amended) Method for the transmission of message traffic in a packet-switched telecommunication system, said method comprising the steps of:

transmitting internal message traffic within the network element between the unit computers of the cross-connection part and the unit computers of the control part of said element,

wherein the method further comprises the steps of:

transmitting the message traffic of at least one unit computer in the cross-connection part by:

establishing a universal cross-connection between the sending unit computer and the receiving unit computer,

transmitting the message traffic from the sending unit computer, said unit computer in question being disposed on a different plug-in unit than the nearest terminal point of the cross-connection it is using for the message traffic,

transmitting the message traffic to the receiving unit computer, and

disconnecting the cross-connection.

8. (Amended) Method as defined in claim 7, wherein the method further comprises the step of:

transmitting the message traffic of at least one unit computer of the control part by utilizing the universal cross-connections produced by the network element itself.

9. (Amended) Method as defined in claim 7, wherein the method further comprises the step of:

distributing the functions of the control part among the plug-in units of the cross-connection part.

10. (Amended) Method as defined in claim 7, wherein the method further comprises the step of:

transmitting message traffic in an ATM telecommunication system.

REMARKS

The above preliminary amendment is made to insert an abstract page into the application and to remove multiple dependencies from claims 3, 5-6, and 9-10

Applicant respectfully requests that this preliminary amendment be entered into the record prior to calculation of the filing fee and prior to examination and consideration of the above-identified application.

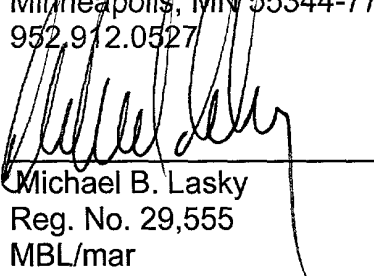
If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicant's attorney of record, Michael B. Lasky at 952.253.4106.

Respectfully submitted,

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Date: 10 January 2002

By:


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Appendix A
Marked Up Version of Entire Claim Set

1. (Amended) System for the transmission of message traffic in a packet-switched telecommunication system, said system comprising:

a network element [(1)], which comprises a cross-connection part [(11)] and a control part [(12)], said cross-connection part [(11)] comprising at least one unit computer [(C_r)], and said control part [(12)] comprising at least one unit computer [(C_k)], and

means [(1)] for the transmission of internal message traffic within the network element [(1)] between the unit computers [(C_r, C_k)],

[c h a r a c t e r i z e d in that] wherein the system further comprises:

at least one unit computer [(C_r)] in the cross-connection part [(11)] whose message traffic is transmitted by utilizing the universal cross-connections produced by the network element [(1)] itself, said unit computer [(C_r)] of the cross-connection part [(11)] being disposed on a different plug-in unit than the nearest terminal point of the cross-connection it is using for message traffic.

2. (Amended) System as defined in claim 1, [c h a r a c t e r i z e d in that] wherein the system further comprises:

at least one unit computer [(C_k)] in the control part [(12)] whose message traffic is transmitted by utilizing the universal cross-connections produced by the network element [(1)] itself.

3. (Amended) System as defined in claim as defined in claim 1 [or 2],

[c h a r a c t e r i z e d in that] wherein the telecommunication system has been implemented using ATM based components.

4. (Amended) System as defined in claim 3, [c h a r a c t e r i z e d in that] wherein the control part [(22)] further comprises:

a number of computer units [(CU)], each one of which comprises a SAR-PHY circuit pair [(P/S)] and a unit computer (C).

5. (Amended) System as defined in claim 3 [or 4],
[c h a r a c t e r i z e d in that] wherein the cross-connection part [(21)] further comprises:

a number of LIU units [(LIU)], each one of which comprises a unit computer [(C)], a SAR-PHY circuit pair [(S/P)], a PHY circuit [(P)] and an ATM circuit [(A)].

6. (Amended) System as defined in [any one of] claim [s] 3 [- 5],
[c h a r a c t e r i z e d in that] wherein the cross-connection part [(21)] further comprises:

an ATM switching fabric [(ASF)], which comprises a unit computer [(C)], a SAR-PHY circuit pair [(S/P)] and an ATM circuit [(A)].

7. (Amended) Method for the transmission of message traffic in a packet-switched telecommunication system, said method comprising the steps of:

transmitting internal message traffic within the network element between the unit computers of the cross-connection part and the unit computers of the control part of said element,

[c h a r a c t e r i z e d in that] wherein the method further comprises the steps of:

transmitting the message traffic of at least one unit computer in the cross-connection part by:

establishing a universal cross-connection between the sending unit computer and the receiving unit computer,

transmitting the message traffic from the sending unit computer, said unit computer in question being disposed on a different plug-in unit than the nearest terminal point of the cross-connection it is using for the message traffic,

transmitting the message traffic to the receiving unit computer, and
disconnecting the cross-connection.

8. (Amended) Method as defined in claim 7, [c h a r a c t e r i z e d in that] wherein the method further comprises the step of:

transmitting the message traffic of at least one unit computer of the control part by utilizing the universal cross-connections produced by the network element itself.

9. (Amended) Method as defined in claim 7 [or 8],
[c h a r a c t e r i z e d in that] wherein the method further comprises the step of:

distributing the functions of the control part among the plug-in units of the cross-connection part.

10. (Amended) Method as defined in [any one of] claim [s] 7 [- 9],
[c h a r a c t e r i z e d in that] wherein the method further comprises the step of:
transmitting message traffic in an ATM telecommunication system.